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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/627,717 07/28/2003		Hiroshi Adachi	X2007.0136/0US0	7091
32172	7590 11/16/2005		EXAM	INER
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP			POTTER, ROY KARL	
11// AVENU 41 ST FL.	OF THE AMERICAS (6TH AVENUE)		ART UNIT	PAPER NUMBER
	, NY 10036-2714	2822		
			DATE MAILED: 11/16/2005	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/627,717	ADACHI ET AL.
Office Action Summary	Examiner	Art Unit
	Roy K. Potter	2822
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tirr vill apply and will expire SIX (6) MONTHS from 1, cause the application to become ABANDONE	l. ely filed the mailing date of this communication. O (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 29 Au     This action is FINAL. 2b) ☑ This     Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro	
Disposition of Claims		
<ul> <li>4)  Claim(s) 1-36 is/are pending in the application.</li> <li>4a) Of the above claim(s) 10-14,17,18,23-30 and</li> <li>5)  Claim(s) 15,16 and 19-22 is/are allowed.</li> <li>6)  Claim(s) 1 and 3 is/are rejected.</li> <li>7)  Claim(s) 2 and 4-9 is/are objected to.</li> <li>8)  Claim(s) are subject to restriction and/or</li> </ul>	nd 32-36 is/are withdrawn from co	ensideration.
Application Papers		
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the original transfer of the correction of the original transfer of the correction of the correction of the original transfer of the correction of the corre	epted or b) objected to by the Edrawing(s) be held in abeyance. See lon is required if the drawing(s) is obj	e37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been receive (PCT Rule 17.2(a)).	on No d in this National Stage
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	· =	(PTO-413) te atent Application (PTO-152)
Paper No(s)/Mail Date	6)	

### Election/Restrictions

Applicant's election without traverse of claims 1 - 9, 15-16, 19-22 and 31 in the reply filed on Aug 19/2005 is acknowledged.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3 and 31 are rejected under 35 U.S.C. 102(b) as being anticipated by Eguchi et al..

Eguchi et al., U.S. Patent No. 5712,507, discloses a semiconductor device mounted on a die pad. As shown in Figure 4, the lead frame 11 has multiple stages formed by slits in a die pad 11a. A plurality of leads 11b surround the stages and the stages are interconnected by areas between the slits that have elastically deforming abilities.

## Allowable Subject Matter

Claims 15 – 16 and 19 – 20 are allowed.

In regard to claim 15 and 16, the prior art does not teach or suggest the recited lead frame with stages having a plurality of projecting elements.

In regard to claims 19 - 20, the prior art does not disclose that the interconnecting members have bent portions.

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Claims 2 and 4 - 9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### **Conclusion**

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Yamaguchi, U.S. Patent No. 6,081,029 discloses a lead frame with improved reliability.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roy K. Potter whose telephone number is 571 272 1842. The examiner can normally be reached on M-F.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Roy K Potter Primary Examiner Art Unit 2822